

ABSTRACT OF THE DISCLOSURE

A medical instrument for fluid injection includes a tubular member and a plurality of hollow needle elements connected to one end of the tubular member. Generally, the tubular member has a lumen and all the needle elements communicate with the lumen to enable a distribution of a diagnostic or therapeutic fluid to various points in a predetermined region. The tubular member is provided with a fluid introduction port at an end of the tubular member opposite the needle elements, the fluid introduction port communicating with the lumen. The needle elements are disposed in a predetermined configuration adapted to carry out a desired function. The needle elements are at least partially made of resilient material with a memory so that the needle elements are biased by their internal stresses towards a predetermined rest configuration and are alternately disposable in the rest configuration and at least one stressed or loaded configuration.